

11/12/53

Bulletin of the
UNIVERSITY OF MINNESOTA



*Late Afternoon and
Saturday Morning Classes, 1953-1954*

College of Education

UNIVERSITY OF MINNESOTA

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(University of Minnesota Telephone—Main 8158)

Walter W. Cook, Dean of the College of Education.....	204	Eurton
Marcia Edwards, Associate Dean of the College of Education.....	204	Eurton
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Paul R. Grim, Director of Student Teaching.....	210c	Eurton
Arnold Woestehoff, Director, Bureau of Recommendations.....	102	Eurton

See list of major advisers on page 14.

Volume LVI

Number 38

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General Information

The following program of late afternoon and Saturday classes is arranged by the College of Education for teachers in service. Many of the offerings are subjects required in the regular curricula for high school and elementary teachers, or in the specialized curricula. All courses numbered 100 or above may apply toward advanced degrees if approved by advisers as part of the graduate program. Any student registering for courses to be applied toward a degree program should read carefully the section on "Admission to Degree Program," and should consult a major adviser as early as possible. Failure to apply for admission or to consult an adviser may delay graduation and make extra work necessary.

The fee for part-time registration in the College of Education is \$2.75 per credit for residents of the state and \$8.50 per credit for nonresidents. If 6 or more credits are taken, an incidental fee of \$18.85 is also required.

The fee in the Graduate School for 6 credits or less or thesis only is \$19 for residents and \$50 for nonresidents. Graduate students taking more than 6 credits pay \$38 (residents) and \$100 (nonresidents). The incidental fee of \$18.85 is required of all students in the Graduate School except teachers in service taking less than 6 credits.

Other fees include special course fees (see *Class Schedule*) and a \$5 deposit (College of Education) or a \$3 deposit (Graduate School). Auditors pay the same fees as students registered for credit.

Telephone requests for information about College of Education matters should be made to Main 8158, Ext. 6703.

Registration

Teachers in service may register from Monday through Friday of the first week of the quarter only if it is *impossible* for them to come in during the regular registration period. (See the University Calendar on page 15 for registration dates.)

Students who have been admitted to the Graduate School may secure registration materials in 322 Johnston Hall. College of Education students, including those registering as adult special students, should secure registration materials as follows: (1) those registered in the *preceding regular quarter* (excluding summer sessions) should report to 206 Burton Hall; and (2) those not so registered should report to the Office of Admissions and Records, Window 9, in the Administration Building.

Special arrangements will be made for registering students taking *only* Saturday classes. These students, graduate and undergraduate, should report for registration in 206 Burton Hall on Saturday morning of the first week of classes (fall quarter, October 3). Veterans registering under Public Laws 346 and 16 cannot be registered under this special arrangement for Saturday students, and they should therefore report during the first week of the quarter or during the regular registration periods.

Admission to Degree Program

Teachers in service may register as adult special students in the College of Education without filing credentials. Anyone planning to proceed with a program of study leading to an undergraduate or graduate degree, however, should file an application for regular admission, with transcripts of previous academic work, *during the first quarter* in which he is registered as an adult special student.

For bachelor of science or master of education programs:

Application for admission to the College of Education should be made through the Office of Admissions and Records, Administration Building. See the *Bulletin of the College of Education* for these programs. Procedures for undergraduate admission include satisfactory completion of certain psychological tests, a health examination, and a speech examination. These tests are offered at the beginning of each quarter. Special arrangements to complete these admission requirements can be made in the Student Personnel Office, 206 Burton Hall, by applicants who are unable to attend during the regular class week.

For master of arts and doctor of philosophy programs:

Application for admission to the Graduate School should be made in the Graduate School Office, 322 Johnston Hall. See the *Bulletin of the Graduate School* for M.A. and Ph.D. programs, including those in the various education majors.

Scholastic Standards

An average of C+ in specified courses of the major field is required for admission to methods courses and student teaching and for graduation. An average of C is required in secondary school teaching minors for all undergraduate students beginning their work for a degree after June 15, 1941. This also applies to the one regular minor required of students majoring in elementary education.

Extension and Correspondence Offerings

Additional courses are available through the Extension Division and the Correspondence Study Department. Offerings include work in education and also in the various academic departments of the University. Announcements of these courses may be secured without charge by writing to the General Extension Division, Nicholson Hall, University of Minnesota, Minneapolis 14.

Research Problems

Research problems courses, credits, and hours arranged are included in the list of late afternoon and Saturday classes. These courses are taken, on permission of the instructor, by students who are approved candidates for the M.A. degree, Plan B.

Bureau of Recommendations

The Bureau of Recommendations provides placement service for persons who seek teaching, administrative, and other types of positions in schools and colleges. Registration is compulsory for persons receiving a degree from the College of Education. Alumni and other students who have completed 30 quarter hours of work in residence are eligible for registration. The fee is \$5.50 for each placement season during which service is desired. The Bureau receives a great many requests for experienced, as well as inexperienced, teachers each year. The office is in 102 Burton Hall.

Summary of Class Schedules

On page 16 will be found a summary of class schedules by quarters, days, and hours of offering. This will help to simplify the planning of programs for the year and quarter.

Program of Courses

FALL QUARTER, 1953

The following symbols and explanations are used throughout the bulletin:

* Course may be taken with permission of the instructor irrespective of prerequisites listed.

E The designation "E" after a course number over 100 signifies that the course is of graduate level in the College of Education but does not carry credit for Plans A and B in the Graduate School.

Please check the fall quarter *Class Schedule* for building abbreviations and course fees. A *Class Schedule* will be given to each student with his registration material.

Agricultural Education (AgEd)

Persons interested in courses in Agricultural Education should write directly to Department of Agricultural Education, University of Minnesota, St. Paul 1.

Art Education (ArEd)

- 158 Art Education in Europe. (3 cred.) III-IV S, 218TNUH, Gayne
- 189 Application of Esthetic Theory in Education. (3 cred.) I-II S, 109J, Hastie
- 295 Problems in Art Education. (Cred. ar.; prereq. permission of major adviser) Ar., Gayne, Hastie
- 296 Seminar in Art Education. (No cred.) IX-X Th, 213TNUH, Gayne, others

Curriculum and Instruction (EdCI)

- 63 Children's Literature. (2 cred.) IX-X M, 2P, D. V. Smith
- 102 Teaching Social Studies in the Elementary School. (3 cred.; prereq. Ed. 71C) III-IV S, 202Pt, Jarolimek
- 105 Audio-Visual Materials in Education. (3 cred.) IX-X T and 1 hr. ar., 206WeH, Pearson
- 107 Radio in Education. (2 cred.; prereq. 9 cred. in education) IX-X T, 302MurH, Tyler
- 109 Audio-Visual Materials and Equipment Laboratory. (3 cred.; prereq.* 105 or concurrent registration) IX W and 2 hrs. lab. ar., 206WeH, Pearson
- 113 High School Curriculum. (3 cred.; prereq. Ed. 55B) I-II S, 212 OUHS, Bossing
- 119 Elementary School Curriculum. (3 cred.; prereq. Ed. 71C) IX-X W, 211NH, Goossen
- 131 Advanced Teaching of Technical Business Subjects. (3 cred.) I-II S, 103Bu, Price
- 133 Consumer Education in the Schools. (3 cred.) IX-X Th, 103Bu, Price
- 136 Business and Distributive Education Under the Vocational Acts. (3 cred.) IX-X W, 103Bu, Meyer

- 143 Teaching and Supervision of Reading in the Elementary School. (3 cred.; prereq. 9 cred. in education) I-II S and 1 hr. ar., 213NH, Bond
- 144 Teaching Reading in the Secondary Schools. (3 cred.; prereq. 9 cred. in education) I-II S and 1 hr. ar., 115JohH, Clymer
- 145 Reading Difficulties. (3 cred.; prereq. reading course or training in counseling or school psychological work) IX-X M and 1 hr. ar., 202Pt, Bond
- 150 Supervision and Improvement of Instruction. (3 cred.; prereq. Ed. 71C) III-IV S, 210 OUHS, Brueckner
- 153 Supervision and Teaching of English in the Elementary School. (3 cred.; prereq. Ed. 71C) IX-X T and 1 hr. ar., 112Bu, Archer
- 168 Current Developments in the Social Studies. (3 cred.; prereq. grad.) IX-X T, 214NH, McCune
- 171 Curriculum Laboratory Practice. (2 cred.; prereq.* 170A or 170B) Ar., Archer, Bossing
- 184 Supervision of Student Teaching. (3 cred.; prereq.* 15 cred. in education) I-II S and 1 hr. ar., 112Bu, Grim
- 201 Problems in Teaching Social Studies. (3 cred.; prereq.* 168, 204) Ar., McCune, Morse, West
- 205 Problems in Audio-Visual Education. (Cred. ar.; prereq. permission of instructor) Ar., Pearson
- 207 Problems in Radio Education. (1-3 cred.; prereq. 107) Ar., Tyler
- 215 Problems in School Health Education Program. (Cred. ar.; prereq. permission of instructor) Ar., Grout
- 216 Field Work in School Health Education Program. (Cred. ar.; prereq. permission of instructor) Ar., Grout
- 217 Seminar in School Health Education Program. (Cred. ar.; prereq. permission of instructor) Ar., Grout
- 222 Seminar in Current Problems in Techniques of High School Instruction. (Cred. ar.; prereq. Ed. 55B and senior methods) IX-X W, 175PeikH, Boardman, Bossing, R. Keller, D. V. Smith
- 225 Special Problems in the Supervision and Instruction in Secondary Schools. (Cred. ar.; prereq. permission of instructor) IX-X W, 175PeikH, Boardman, R. Keller
- 226 Seminar in Elementary School Problems. (No cred.) IX-X Th, 206 OUHS, Archer, Bond, Brueckner, Goossen
- 227 Problems in Rural Education. (Cred. ar.; prereq. 117) Ar., Archer
- 228 Problems of Higher Education and Teacher Education. (Cred. ar.; prereq. permission of instructor) Ar., Cooper, Eckert, Grim
- 238 Problems in Distributive Education. (Cred. ar.; prereq. permission of instructor) Ar., Meyer
- 239 Problems in Business Education. (Cred. ar.; prereq. permission of instructor) Ar., Price
- 261 Special Problems in the Improvement of Instruction. (Cred. ar.; prereq. permission of instructor) Ar., Brueckner, Goossen
- 263 Research in Arithmetic Instruction. (3 cred.; prereq. 149) IX-X M, 111Bu, Brueckner
- 271 Problems in Curriculum Construction. (3 cred.; prereq. permission of instructor) Ar., Archer, Birkmaier, Boeck, Bossing, D. Johnson
- 273 Problems in Reading. (3 cred.; prereq.* 143 or 144) Ar., Bond
- 284 Problems in Student Teaching. (3-9 cred.; prereq. permission of instructor) Ar., Grim
- 287 Advanced Teaching of Science. (3 cred.) III-IV S, 111Bu, P. O. Johnson
- 294 Advanced Course in Curriculum and Methods in Secondary School English. (2 cred.; prereq. Ed.T. 75C) III-IV S, 307JohH, D. V. Smith
- 296 Special Problems in Teaching English. (Cred. ar.) Ar., D. V. Smith

Educational Administration (EdAd)

- 133 Basic Procedures in Student Personnel Work. (3 cred.; prereq. 9 cred. in education) III-IV S and 1 hr. ar., BuAud, Dugan
- 167 Junior High School. (3 cred.; prereq. 9 cred. in education) III-IV S, 210 OUHS, Bossing
- 218 Recent Literature in Secondary Education. (Cred. ar.) IX-X W, 175PeikH, Boardman, Bossing
- 225 Pupil Personnel Administration. (3 cred.; prereq. 124) III-IV S, 115JohH, Neale
- 228 Special Problems in Educational Administration. (1-3 cred.; prereq. 225) Ar., Neale
- 270 Special Problems in Secondary Education. (Cred. ar.; prereq. permission of instructor) Ar., Boardman, Bossing, R. Keller

Educational Psychology (EPsy)

- 100 Individual Appraisal for Counseling. (3 cred.; prereq. 9 cred. in education) I-II S and 1 hr. ar., 111Bu, K. Hoyt
- 133 Basic Procedures in Student Personnel Work. (3 cred.; prereq. 9 cred. in education) III-IV S and 1 hr. ar., BuAud, Dugan
- 182 Education of Exceptional Children. (3 cred.; prereq. Ed. 55B or 71C) I-II S, 202Pt, Reynolds
- 233 Problems in Guidance and Personnel Work. (1-9 cred.) Ar., Dugan, Edwards, Wrenn
- 240 Problems in Measurement. (3 cred.) Ar., P. O. Johnson
- 243 Problems in Statistics for Students in Education and Psychology. (3 cred.) Ar., P. O. Johnson
- 253 Research Problems. (Cred. ar.; prereq. permission of instructor) Ar., Ed.Psy. staff
- 281 Practice in Personnel Work. (Cred. ar.; prereq.* 225, 226) Ar., Edwards, Wrenn

History and Philosophy of Education (HEd)

- 141 Critical Issues in Contemporary Education. (3 cred.) IX-X Th, 202Pt, Beck
- 156 History of Ideas in American Education. (3 cred.) IX-X M, 112Bu, Ellis
- 241 Problems in the History and Philosophy of Education. (Cred. ar.; prereq. permission of instructor) Ar., Beck, Ellis

Home Economics Education (HEEd)

Persons interested in courses in Home Economics Education should write directly to the School of Home Economics, University of Minnesota, St. Paul 1.

Industrial Education (Ind)

- 40 Analysis. (2 cred.) IX-X W, TNUH, Micheels
- 60 Philosophy of Vocational Education. (2 cred.) IX-X M, TNUH, Widdowson
- 70 Teaching Industrial Subjects. (3 cred.; prereq. 42, Ed. 55B, not open to those with credit in 100) IX-X Th and 1 hr. ar., TNUH, Nelson
- 107 Coordination. (3 cred.; prereq.* 61 or 125) IX-X T and ar., TNUH, Widdowson

Music Education (MuEd)

- 224 Seminar and Individual Research Problems. (3 cred.) Ar., Ivory, others
225E Advanced Applied Music. (2-4 cred.) Ar.

Physical Education (PE)

- 118E Problems in Teacher Education in Health, Physical Education, and Recreation. (Cred. ar.; prereq. permission of instructor) Ar., Baker, Wilson
224 Research Problems in School Health Education, Physical Education, and Recreation. (Cred. ar.; prereq. permission of instructor) Ar., Baker, Wilson, Jaeger, Slocum, Nordly, L. Keller, Piper, Fitzgerald

WINTER QUARTER, 1954

The following symbols and explanations are used throughout the bulletin:

* Course may be taken with permission of the instructor irrespective of prerequisites listed.

E The designation "E" after a course number over 100 signifies that the course is of graduate level in the College of Education but does not carry credit for Plans A and B in the Graduate School.

Please check the winter quarter *Class Schedule* for rooms, building abbreviations, course fees, and possible changes in offerings. A *Class Schedule* will be given to each student with his registration material.

Agricultural Education (AgEd)

Persons interested in courses in Agricultural Education should write directly to Department of Agricultural Education, University of Minnesota, St. Paul 1.

Art Education (ArEd)

- 151 Curriculum Building in Art Education. (3 cred.) III-IV S, Hastie
184 Advanced Course in the Teaching and Supervision of Art in the Elementary School. (3 cred.) III-IV S, Gayne
284 Research in Art Education (2 cred.) IX-X T, Gayne
295 Problems in Art Education. (Cred. ar.; prereq. permission of major adviser) Gayne, Hastie
296 Seminar in Art Education. (No cred.) IX-X Th, Gayne, others

Curriculum and Instruction (EdCI)

- 105 Audio-Visual Materials in Education. (3 cred.) I-II S and 1 hr. lab. ar., Pearson
106 Coordinating an Audio-Visual Education Program. (3 cred.; prereq.* 105 or concurrent registration) IX-X T, Pearson
108 Radio in Education. (2 cred.) IX-X W, Tyler
109 Audio-Visual Materials and Equipment Laboratory. (3 cred.; prereq.* 105 or concurrent registration) IX W and 2 hrs. lab. ar., Pearson
117 Rural Education for Administrators and Teachers. (3 cred.) III-IV S and 1 hr. ar., Archer
125 Occupational Information Laboratory. (3 cred.; prereq. permission of instructor) III-IV S, K. Hoyt
139 Coordination Techniques. (3 cred.) IX-X W, Meyer
143 Teaching and Supervision of Reading in the Elementary School. (3 cred.; prereq. 9 cred. in education) IX-X M, Bond
145 Reading Difficulties. (3 cred.; prereq. course in reading or basic training in counseling or school psychological work) IX-X T and 1 hr. ar., Bond

- 155 Materials Laboratory for Social Studies Teachers. (3 cred.; prereq. permission of instructor) IX-X M, McCune, West
- 170B Curriculum and Course of Study Construction. (3 cred.; prereq.* 113 or 119) I-II S, Bossing
- 171 Curriculum Laboratory Practice. (2 cred.; prereq.* 170A or 170B) Ar., Archer, Bossing
- 173A Organizing Units of Instruction in the Elementary School. (3 cred.; prereq. 119 or teaching experience) IX-X W, Goossen
- 181 Foundations of Elementary School Methods. (3 cred.; prereq. 9 cred. in education) III-IV S, Brueckner
- 201 Problems in Teaching the Social Studies. (3 cred.; prereq.* 168, 204) Ar., McCune, Morse, West
- 205 Problems in Audio-Visual Education. (Cred. ar.; prereq. permission of instructor) Ar., Pearson
- 207 Problems in Radio Education. (1-3 cred.; prereq. 107) Ar., Tyler
- 215 Problems in the School Health Education Program. (Cred. ar.; prereq. permission of instructor) Ar., Grout
- 216 Field Work in the School Health Education Program. (Cred. ar.; prereq. permission of instructor) Ar., Grout
- 217 Seminar in the School Health Education Program. (Cred. ar.; prereq. permission of instructor) Ar., Grout
- 222 Seminar in Current Problems in Techniques of High School Instruction. (Cred. ar.; prereq. Ed. 55B and senior methods) IX-X W, 175PeikH, Boardman, Bossing, R. Keller, D. V. Smith
- 225 Special Problems in the Supervision and Instruction in Secondary Schools. (Cred. ar.; prereq. permission of instructor) IX-X W, 175PeikH, Boardman, R. Keller
- 226 Seminar in Elementary School Problems. (No cred.) IX-X Th, 206 OUHS, Archer, Bond, Brueckner, Goossen
- 227 Problems in Rural Education. (Cred. ar.; prereq. 117) Ar., Archer
- 228 Problems in Higher Education and Teacher Education. (Cred. ar.; prereq. permission of instructor) Ar., Cooper, Eckert, Grim
- 238 Problems in Distributive Education. (Cred. ar.; prereq. permission of instructor) Ar., Meyer
- 239 Problems in Business Education. (Cred. ar.; prereq. permission of instructor) Ar., Price
- 250 Higher Education in the United States. (3 cred.; prereq. year of graduate study in any field or 18 cred. in education) I-II S and 1 hr. ar., Eckert
- 261 Special Problems in the Improvement of Instruction. (Cred. ar.; prereq. permission of instructor) Ar., Brueckner, Goossen
- 271 Problems in Curriculum Construction. (3 cred.; prereq. permission of instructor) Ar., Archer, Birkmaier, Boeck, Bossing, D. Johnson
- 273 Problems in Reading. (3 cred.; prereq.* 143 or 144) Ar., Bond
- 284 Problems in Student Teaching. (3-9 cred.; prereq. permission of instructor) Ar., Grim
- 285 The Professional Education of Teachers. (3 cred.; prereq.* 15 cred. in education including H.Ed. 182 or Ed.C.I. 184 and Ed.C.I. 250 or Ed.Psy. 250) III-IV S and 1 hr. ar., Grim
- 294 Advanced Course in Curriculum and Methods in Secondary School English. (2 cred.; prereq. Ed.T. 75C) Ar., D. V. Smith
- 296 Special Problems in Teaching English. (Cred. ar.) Ar., D. V. Smith

Educational Administration (EdAd)

- 115 Organization of the Elementary School. (3 cred.; prereq. 9 cred. in education) I-II S, Goossen
- 218 Recent Literature in Secondary Education. (Cred. ar.) IX-X W, 175 PeikH, Boardman, Bossing

- 228 Special Problems in Educational Administration. (1-3 cred.; prereq. 225) Ar., Neale
- 230 Public Relations for Schools. (3 cred.; prereq. 225) I-II S, Neale
- 270 Special Problems in Secondary Education. (Cred. ar.; prereq. permission of instructor) Ar., Boardman, Bossing, R. Keller

Educational Psychology (EPsy)

- 134 School Counseling Procedures. (3 cred.; prereq.* 120, 133) IX-X M, Dugan
- 142 Individual Mental Testing. (3 cred.; prereq. 120 or equiv.) III-IV S and 1 hr. ar., Reynolds
- 233 Problems in Guidance and Personnel Work. (1-9 cred.) Ar., Dugan, Edwards, Wrenn
- 240 Problems in Measurement. (3 cred.) Ar., P. O. Johnson
- 243 Problems in Statistics for Students in Education and Psychology. (3 cred.) Ar., P. O. Johnson
- 253 Research Problems. (Cred. ar.; prereq. permission of instructor) Ar., Ed.Psy. staff
- 281 Practice in Personnel Work. (Cred. ar.; prereq.* 225, 226) Ar., Edwards, Wrenn

History and Philosophy of Education (HEd)

- 131 Comparative Education. (3 cred.) IX-X Th, Beck
- 178 Education and the Problems of American Democracy. (3 cred.) IX-X T, Ellis
- 241 Problems in the History and Philosophy of Education. (Cred. ar.; prereq. permission of instructor) Ar., Beck, Ellis

Home Economics Education (HEEd)

Persons interested in courses in Home Economics Education should write directly to the School of Home Economics, University of Minnesota, St. Paul 1.

Industrial Education (Ind)

- 42 Course Organization. (3 cred.; prereq. 40) IX-X W and ar., Nelson
- 61 Practices in Vocational Education. (2 cred.; prereq. 60) IX-X M, Widdowson

Music Education (MuEd)

- 224 Seminar and Individual Research Problems. (3 cred.) Ar., Ivory, others
- 225E Advanced Applied Music. (2-4 cred.) Ar.

Physical Education (PE)

- 107 Camp Administration. (3 cred.; prereq.* 46) IX-X W, Osell, Os-trander, Thorpe
- 118E Problems in Teacher Education in Health, Physical Education, and Recreation. (Cred. ar.; prereq. permission of instructor) Ar., Baker, Wilson
- 224 Research Problems in School Health Education, Physical Education, and Recreation. (Cred. ar.; prereq. permission of instructor) Ar., Baker, Wilson, Jaeger, Slocum, Nordly, Keller, Piper, Fitzgerald
- 244 Problems in the Construction and Administration of Physical Education Curriculum. (6 cred.) 4:00-5:30 MTWTh, Nordly

SPRING QUARTER, 1954

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Please check the spring quarter *Class Schedule* for rooms, building abbreviations, course fees, and possible changes in offerings. A *Class Schedule* will be given to each student with his registration material.

Agricultural Education (AgEd)

Persons interested in courses in Agricultural Education should write directly to Department of Agricultural Education, University of Minnesota, St. Paul 1.

Art Education (ArEd)

- 152 Curriculum Building in Art Education. (3 cred.) I-II S, Gayne
- 185 Advanced Course in the Teaching of Art in the Secondary School. (3 cred.) III-IV S, Hastie
- 295 Problems in Art Education. (Cred. ar.; prereq. permission of major adviser) Ar., Gayne, Hastie
- 296 Seminar in Art Education. (No cred.) IX-X Th, Gayne, others

Curriculum and Instruction (EdCI)

- 119 Elementary School Curriculum. (3 cred.; prereq. Ed. 71C or equiv.) I-II S, Goossen
- 122 Literature for Adolescents. (2 cred.; prereq. Ed. 55B or junior-senior high school teaching experience) III-IV S, D. V. Smith
- 134 Materials and Methods in Consumer Education. (3 cred.; prereq. permission of instructor) IX-X Th, Price
- 135 Group Procedures in Guidance. (3 cred.; prereq.* 9 cred. in education, Ed.Psy. 133) IX-X M, Dugan
- 141 Cooperative Part-Time Work Experience Programs. (3 cred.) IX-X W, Meyer
- 149 Teaching and Supervision of Arithmetic in the Elementary School. (3 cred.; prereq. Ed. 71C or equiv.; not open to those with cred. in 62A or 62B) III-IV S, Brueckner
- 151 Diagnosis and Treatment of Learning Difficulties. (3 cred.) IX-X M, Brueckner
- 153 Supervision and Teaching of English in the Elementary School. (3 cred.; prereq. Ed. 71C or equiv.) IX-X T, Archer
- 156 Trends in Business Education. (3 cred.) I-II S, Price
- 171 Curriculum Laboratory Practice. (2 cred.; prereq.* 170A or 170B) Ar., Archer, Bossing
- 173B Organizing Units of Instruction in the Secondary School. (3 cred.; prereq.* 113) III-IV S, Bossing
- 191 Advanced Course in the Teaching and Supervision of Secondary Mathematics. (3 cred.) IX-X Th, D. Johnson
- 201 Problems in Teaching the Social Studies. (3 cred.; prereq.* 168, 204) Ar., McCune, Morse, West
- 204 Social Studies Curriculum. (3 cred.) IX-X M, McCune
- 205 Problems in Audio-Visual Education. (Cred. ar.; prereq. permission of instructor) Pearson
- 207 Problems in Radio Education. (1-3 cred.; prereq. 107) Ar., Tyler

- 215 Problems in School Health Education Program. (Cred. ar.; prereq. permission of instructor) Ar., Grout
- 216 Field Work in the School Health Education Program. (Cred. ar.; prereq. permission of instructor) Ar., Grout
- 217 Seminar in the School Health Education Program. (Cred. ar.; prereq. permission of instructor) Ar., Grout
- 222 Seminar in Current Problems in Techniques of High School Instruction. (Cred. ar.; prereq. Ed. 55B and senior methods) IX-X W, 175PeikH, Boardman, Bossing, R. Keller, D. V. Smith
- 225 Special Problems in the Supervision and Instruction in Secondary Schools. (Cred. ar.; prereq. permission of instructor) IX-X W, 175PeikH, Boardman, R. Keller
- 226 Seminar in Elementary School Problems. (No cred.) IX-X Th, 206 OUHS, Archer, Bond, Brueckner, Goossen
- 227 Problems in Rural Education. (Cred. ar.; prereq. 117) Ar., Archer
- 228 Problems of Higher Education and Teacher Education. (Cred. ar.; prereq. permission of instructor) Ar., Cooper, Eckert, Grim
- 238 Problems in Distributive Education. (Cred. ar.; prereq. permission of instructor) Ar., Meyer
- 239 Problems in Business Education. (Cred. ar.; prereq. permission of instructor) Ar., Price
- 252 Effective College Teaching. (3 cred.; prereq.* year of graduate study in any field or 18 cred. in education) I-II S and 1 hr. ar., Eckert
- 254 Directed Experience in College Instruction. (Cred. ar.; prereq. permission of instructor) Ar., Eckert, Wrenn
- 261 Special Problems in the Improvement of Instruction. (Cred. ar.; prereq. permission of instructor) Ar., Brueckner, Goossen
- 264 Research in Educational Diagnosis. (3 cred.) IX-X T, Brueckner
- 271 Problems in Curriculum Construction. (3 cred.; prereq. permission of instructor) Ar., Archer, Birkmaier, Boeck, Bossing, D. Johnson
- 273 Problems in Reading. (3 cred.; prereq.* 143 or 144) Ar., Bond
- 284 Problems in Student Teaching. (3-9 cred.; prereq. permission of instructor) Ar., Grim
- 286 The Professional Education of Teachers. (3 cred.; prereq. 285) III-IV S, Grim
- 296 Special Problems in Teaching English. (Cred. ar.) Ar., D. V. Smith

Educational Administration (EdAd)

- 133 Basic Procedures in Student Personnel Work. (3 cred.; prereq. 9 cred. in education) III-IV S, K. Hoyt
- 218 Recent Literature in Secondary Education. (Cred. ar.) IX-X W, 175PeikH, Boardman, Bossing
- 226 School Plant Planning and Management. (3 cred.; prereq. 227) I-II S, Neale
- 228 Special Problems in Educational Administration. (1-3 cred.; prereq. 225) Ar., Neale
- 270 Special Problems in Secondary Education. (Cred. ar.; prereq. permission of instructor) Ar., Boardman, Bossing, R. Keller

Educational Psychology (EPsy)

- 133 Basic Procedures in Student Personnel Work. (3 cred.; prereq. 9 cred. in education) III-IV S, K. Hoyt
- 183 Education of Gifted Children. (3 cred.; prereq. Ed. 55B or 71C or equiv.) IX-X T, Bond
- 184 Education of the Slow-Learning Child. (2 cred.; prereq. 182) III-IV S, Reynolds

- 187 Education of the Crippled Child. (2 cred.; prereq. 182) I-II S, Schoenbohm
- 233 Problems in Guidance and Personnel Work. (1-9 cred.) Ar., Dugan, Edwards, Wrenn
- 240 Problems in Measurement. (3 cred.) Ar., P. O. Johnson
- 243 Problems in Statistics for Students in Education and Psychology. (3 cred.) Ar., P. O. Johnson
- 253 Research Problems. (Cred. ar.; prereq. permission of instructor) Ar., Ed.Psy. staff
- 254 Measurement and Evaluation in Higher Education. (3 cred.) III-IV S and ar., P. O. Johnson
- 281 Practice in Personnel Work. (Cred. ar.; prereq.* 225, 226) Ar., Edwards, Wrenn

History and Philosophy of Education (HEd)

- 179 Critical Thinking for Teachers. (3 cred.) IX-X T, Ellis
- 182 Comparative Philosophies of Education. (3 cred.; prereq. 76 or 141) IX-X Th, Beck
- 241 Problems in the History and Philosophy of Education. (Cred. ar.; prereq. permission of instructor) Ar., Beck, Ellis

Home Economics Education (HEEd)

Persons interested in courses in Home Economics Education should write directly to the School of Home Economics, University of Minnesota, St. Paul 1.

Industrial Education (Ind)

- 44 Equipment and Management. (3 cred.; prereq. 42) IX-X M and ar., Widdowson
- 125 Philosophy and Practice of Industrial Education. (3 cred.; not open to those with credit in 60, 61) IX-X T and ar., Widdowson

Music Education (MuEd)

- 224 Seminar and Individual Research Problems. (3 cred.) Ar., Ivory, others
- 225E Advanced Applied Music. (2-4 cred.) Ar.

Physical Education (PE)

- 118E Problems in Teacher Education in Health, Physical Education, and Recreation. (Cred. ar.; prereq. permission of instructor) Ar., Baker, Wilson
- 155 Instructional Aids in Health, Physical Education, and Recreation. (3 cred.) 4:00-5:30 TTh, Piper
- 221 Seminar in Physical Education. (No cred.) Ar., Baker, Jaeger, Slocum, Wilson
- 224 Research Problems in School Health Education, Physical Education, and Recreation. (Cred. ar.; prereq. permission of instructor) Ar., Baker, Wilson, Jaeger, Slocum, Nordly, Keller, Piper, Fitzgerald
- 261A Seminar in Contemporary Problems in Physical Education. (3 cred.; prereq. permission of instructor) 4:00-5:30 MW, Nordly

Major Advisers

EDUCATIONAL FIELDS

Agricultural Education
Milo J. Peterson—205Hr (St.P.)

Art Education
Clifton Gayne—106 Jones
W. Reid Hastie—106 Jones

Business Education
Ray G. Price—101d Burton

Curriculum and Instruction
Clifford P. Archer (Elem.)—218 Burton
Emma Birkmaier (Lang.)—230 Peik
Clarence Boeck (Sci.)—370 Peik
Guy L. Bond (Elem.)—212 Burton
Nelson L. Bossing (Sec.)—226 Burton
Leo J. Brueckner (Elem.)—205 Burton
Carl V. Goossen (Elem.)—220 Burton
Donovan A. Johnson (Math.)—330 Peik
Palmer O. Johnson (Sci.)—216 Burton
George H. McCune (Soc. St.)—
214 Nicholson
Warren G. Meyer (Dist. Ed.)—
105 Burton
Ray G. Price (Bus. Ed.)—101d Burton
Dora V. Smith (Engl.)—201 Burton

Distributive Education
Warren G. Meyer—105 Burton

Educational Administration
Charles Boardman (Sec.)—106 Burton
Leo J. Brueckner (Elem.)—205 Burton
Carl V. Goossen (Elem.)—220 Burton
Robert J. Keller (Sec.)—211 Burton
M. G. Neale (Gen.)—224 Burton

Educational Psychology
Guy L. Bond—212 Burton
Walter W. Cook—204 Burton
Willis E. Dugan—219 Burton
Marcia Edwards—204 Burton
Ned A. Flanders—492a Ford
Cyril J. Hoyt—211 Burton
Palmer O. Johnson—216 Burton
Gordon M. A. Mork—101b Burton
Maynard Reynolds—106 Pattee
C. Gilbert Wrenn—109 Burton

Elementary Education
Clifford P. Archer—218 Burton
Guy L. Bond—212 Burton
Leo J. Brueckner—205 Burton
Theodore W. Clymer—..... Burton
Carl V. Goossen—220 Burton
Maynard Reynolds—106 Pattee

Health Education
Ruth Grout—121 Millard

Higher Education
Ruth E. Eckert—203 Burton
Paul R. Grim—210 Burton
M. G. Neale—224 Burton
C. Gilbert Wrenn—109 Burton

History and Philosophy of Education
Robert H. Beck—215 Burton
Frederick E. Ellis—217 Burton

Home Economics Education
Ella J. Rose—115 HE (St.P.)

Industrial Education
Homer J. Smith—101 TNUH
William J. Micheels—105 TNJH

Methods and Directed Teaching
Paul R. Grim—210 Burton

Music Education
Paul Ivory—214 Scott
Paul Oberg—106 Scott

Nursery-Kindergarten-Primary Education
John Anderson—104 OUHS
Elizabeth Fuller—2a CWI

Nursing Education
Katharine J. Densford—125 Owre

Physical Education for Men
Louis F. Keller—220b Cooke
Carl L. Nordly—217 Cooke
Ralph A. Piper—219 Cooke

Physical Education for Women
Gertrude Baker—104 Norris

Radio and Television Education
Tracy F. Tyler—301 Johnstor.

Recreation Leadership
Gerald B. Fitzgerald—221 Cooke

SUBJECT MATTER FIELDS

Botany
See Natural Science

Chemistry
See Natural Science

English
Harold B. Allen—317 Folwell
Dora V. Smith—201 Burton

Geography
John Borchert—282 Ford

German
F. H. Wood—210 Folwell

History
A. C. Krey—205 Ford
John Bowditch—237 Ford

Journalism
Fred L. Kildow—106 Murphy

Latin
Norman J. DeWitt—118 Folwell

Mathematics
William L. Hart—119 Folwell

Natural Science
Clarence Boeck—370 Peik
Palmer O. Johnson—216 Burton

Physics
See Natural Science

Political Science
Asher Christensen—389 Ford
George Warp—364 Ford

Romance Languages
R. L. Grismer (Spanish)—319 Folwell
H. E. Clefthon (French)—200 Folwell

Scandinavian
Alrik Gustafson—13 Folwell

Social Studies
George H. McCune—214 Nicholson
Edith West—166 Peik

Sociology
Arthur Johnson—446 Ford

Speech and Theater Arts
Howard Gilkinson—309b Folwell
Kenneth Graham—308 Nicholson
Donald K. Smith—401 Folwell
Frank Whiting—232 Northrop

Speech Pathology
Bryng Bryngelson—410 Folwell

Zoology
See Natural Science

Calendar 1953-1954

FALL QUARTER

September

- 25 Fall registration
Orientation program for new students
- 7 Holiday (Labor Day)
- 17 Fall quarter fees due for students registered through September 11
- 20-26 New Students' Week
- 25 Last day for registration and payment of fees in undergraduate colleges
- 28 Fall quarter classes begin

October

- 1 Opening convocation at 11:30 a.m.; IV hour classes excused
- 2 Last day for registration and payment of fees for the Graduate School, and for teachers in service
- 12 Holiday (Columbus Day)
- 31 Dads football game

November

- 7 Homecoming Day
- 11 Holiday (Armistice Day)
- 19 Senate Meeting, 3:30 p.m.
- 26 Holiday (Thanksgiving)
- 27-28 Classes excused (except Medical School)

December

- 11-17 Final examination period
- 17 Commencement, 8:00 p.m.
- 19 Fall quarter closes

WINTER QUARTER

- 25 Holiday (Christmas)
- 28 Winter quarter fees due for students in residence fall quarter in undergraduate colleges
- 29-30 Orientation and registration for new students in all undergraduate colleges

January

- 1 Holiday (New Year's Day)
- 4 Registration resumes; winter classes begin

- 5 Last day for registration and payment of fees for new students in all undergraduate colleges
- 8 Last day for registration and payment of fees for the Graduate School, and for teachers in service

February

- 12 Holiday (Lincoln's Birthday)
- 18 Senate meeting, 3:30 p.m.
- 21-27 University of Minnesota Week
- 22 Holiday (Washington's Birthday)
- 25 Charter day convocation at 11:30 a.m.; IV hour classes excused

March

- 12-18 Final examination period
- 18 Spring quarter fees due for students in residence winter quarter in undergraduate colleges
- 18 Commencement, 8:00 p.m.
- 20 Winter quarter closes

SPRING QUARTER

- 25-26 Orientation program; registration and payment of fees for new students in all undergraduate colleges
- 29 Spring quarter classes begin

April

- 2 Last day for registration and payment of fees for the Graduate School, and for teachers in service
- 16 Holiday (Good Friday)
- ? Parents Day

May

- 13 Cap and Gown Day convocation at 11:30 a.m.; IV hour classes excused
- 20 Senate meeting, 3:30 p.m.
- 31 Holiday (Memorial Day, Sunday, May 30)

June

- 5-11 Final examination period
- 6 Baccalaureate service, 3:00 p.m.
- 12 Spring quarter closes
- 12 Commencement, 8:00 p.m.

Summary of Class Schedules

Saturday I-II 8:30-10:20	Saturday III-IV 10:30-12:20	Monday IX-X 4:30-6:20	Tuesday IX-X 4:30-6:20	Wednesday IX-X 4:30-6:20	Thursday IX-X 4:30-6:20
FALL QUARTER, 1953					
Art Ed. 189	Art Ed. 158	Ed.C.I. 63	Ed.C.I. 105	Ed.C.I. 109*	Art Ed. 296
Ed.C.I. 113	Ed.C.I. 102	Ed.C.I. 145	Ed.C.I. 107	Ed.C.I. 119	Ed.C.I. 133
Ed.C.I. 131	Ed.C.I. 150	Ed.C.I. 263	Ed.C.I. 153	Ed.C.I. 136	Ed.C.I. 226
Ed.C.I. 143	Ed.C.I. 287	H.Ed. 156	Ed.C.I. 168	Ed.C.I. 222	H.Ed. 141
Ed.C.I. 144	Ed.C.I. 294	Ind. 60	Ind. 107	Ed.C.I. 225	Ind. 70
Ed.C.I. 184	Ed.Ad. 133			Ed.Ad. 218	
Ed.Psy. 100	Ed.Ad. 167			Ind. 40	
Ed.Psy. 182	Ed.Ad. 225				
	Ed.Psy. 133				
WINTER QUARTER, 1954					
Ed.C.I. 105	Art Ed. 151	Ed.C.I. 143	Art Ed. 284	Ed.C.I. 108	Art Ed. 296
Ed.C.I. 170B	Art Ed. 184	Ed.C.I. 155	Ed.C.I. 106	Ed.C.I. 109*	Ed.C.I. 226
Ed.C.I. 250	Ed.C.I. 117	Ed.Psy. 134	Ed.C.I. 145	Ed.C.I. 139	H.Ed. 131
Ed.Ad. 115	Ed.C.I. 125	Ind. 61	H.Ed. 178	Ed.C.I. 173A	P.E. 244§
Ed.Ad. 230	Ed.C.I. 181	P.E. 244§	P.E. 244§	Ed.C.I. 222	
	Ed.C.I. 285			Ed.C.I. 225	
	Ed.Psy. 142			Ed.Ad. 218	
				Ind. 42	
				P.E. 107	
				P.E. 244§	
SPRING QUARTER, 1954					
Art Ed. 152	Art Ed. 185	Ed.C.I. 135	Ed.C.I. 153	Ed.C.I. 141	Art Ed. 296
Ed.C.I. 119	Ed.C.I. 122	Ed.C.I. 151	Ed.C.I. 264	Ed.C.I. 222	Ed.C.I. 134
Ed.C.I. 156	Ed.C.I. 149	Ed.C.I. 204	Ed.Psy. 183	Ed.C.I. 225	Ed.C.I. 191
Ed.C.I. 252	Ed.C.I. 173B	Ind. 44	H.Ed. 179	Ed.Ad. 218	Ed.C.I. 226
Ed.Ad. 226	Ed.C.I. 286	P.E. 261A§	Ind. 125	P.E. 261A§	H.Ed. 182
Ed.Psy. 187	Ed.Ad. 133		P.E. 155§		P.E. 155§
	Ed.Psy. 133				
	Ed.Psy. 134				
	Ed.Psy. 254				

* Meets IX hour only or IX hour and additional time to be arranged. See "Program of Classes."

§ Meets from 4:00 to 5:30.